

# **FARM** Facilities for Antenna & RCS Measurements



In conjunction with the research and development engineering conducted in antenna technology within the RF Sensors Branch, measurements of characteristics of antenna systems (patterns, gain, VSWR, RCS, antenna-to-antenna isolation, etc.) mounted on partial to full-size airframes are conducted at the FARM. The FARM consists of two anechoic chambers, three outdoor ranges, and a rain erosion/impact measurement laboratory. The anechoic chambers are used for antenna evaluations in a free space environment or mounted on scale models, while the outdoor ranges are used for evaluation of antennas and avionics systems mounted in full-size airframes.

*For more information contact the FARM Anechoic Chambers, Naval Air Warfare Center Aircraft Center, Patuxent River, MD 20670 at 301-342-9152.*

